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(54) HUMIDIFYING UNIT

(57) Abstract:

PURPOSE: To enable repairing of a humidifying unit even when a pinhole is generated at a water-proof moisture vapor permeable film by laminating humidifying plates so that feed water supply units are superposed, forming a feed water supply unit common for the respective plates, and forming a space based on the thickness difference between the unit and a humidifying unit between the plates.

CONSTITUTION: Many humidifying plates 3 of a laminated structure are inserted into a housing 2 in a humidifying plate 1. A spacer 4 is provided to hold a space between the plates. The front and the rear of the housing 2 are opened with the inlet and the outlet of the air 5, and an opening for feed water 6 is provided above. The plates 3 are fixed at both side surfaces of a frame 7 with humidifying films (water-proof moisture vapor permeable films) 8, 9, and has a feed water supply unit 3-1 and a humidifying unit 3-2. The frame 7 is formed in the shape in which a thin plate is bored in such a manner that the above feed water supply unit 7-1 is thicker than the other part (humidifying unit 7-2) at the left and right (longitudinal members) frame parts 7-a, 7-b and thicker than the frame part 7-c for coupling the parts 7-a to 7-b.

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